

## **ABSTRACT**

A method and corresponding system remotely communicate and interface with an Aircraft Condition Monitoring System (ACMS) on an aircraft. The method and system offer a global communication architecture that can be implemented with existing ACMS  
5 devices and with any flight data acquisition unit (FDAU) equipped with a storage card, such as a Personal Computer Memory Card International Association (PCMCIA) card. In a preferred embodiment, the method and system offer real-time wireless communication between the ACMS on an aircraft and a ground station without any hardware and/or software modifications to the ACMS.